

INTERNATIONAL SEARCH REPORT

Int'l Application No
PCT/EP 03/06724

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04R1/02 H04M1/02 H04M1/03

COPY

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04R H04M H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 184 936 A (NOKIA MOBILE PHONES LTD) 6 March 2002 (2002-03-06)	1,8-17
Y	paragraph '0016! - paragraph '0019! figures 2-4	2-7
Y	WO 01 01591 A (KONINKL PHILIPS ELECTRONICS NV ; YAMAMOTO SHIGERU (NL)) 4 January 2001 (2001-01-04) abstract page 1, line 24 -page 2, line 10 page 3, line 16 - line 22 page 4, line 20 - line 27; figures 1,2	2-7
A	US 6 411 719 B1 (OLSSON MATS ET AL) 25 June 2002 (2002-06-25) abstract; figure 3	2-7
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

21 August 2003

Date of mailing of the International search report

01/09/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, TX. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

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Information on patent family members

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